

FS 2.60/7:11/42

# Morbidity and Mortality

Weekly  
Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER MEIrose 4-5131

For release October 26, 1962

ATLANTA 22, GEORGIA

Vol. 11, No. 42

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON  
DEATHS IN SELECTED CITIES FOR WEEK ENDED OCTOBER 20, 1962

**POLIOMYELITIS** — Twenty-seven cases of poliomyelitis (21 paralytic) were reported for the week ending October 20, 1962, remaining at the same level as the previous two weeks. These totals contrast favorably with the 59 cases (39 paralytic) reported for the comparable week in 1961.

Of the 14 States reporting cases this week, only 3, Illinois, Mississippi, and Texas, reported more than 2 cases. Five cases from Illinois and 3 from Mississippi represent largely delayed reports, while in Texas (4 cases) no new case concentrations have been noted.

The Poliomyelitis Surveillance Unit of the Communicable Disease Center has received individual case reports on 80% of the cases reported to date in 1962. Almost half (49.7%) of the 1962 cases of paralytic poliomyelitis have

occurred in the 0-4 age group. Seventy percent of the patients in this age group had not received any poliomyelitis vaccine.

Cumulative totals through the 42nd week in 1962 remain well below those for any previous year. The comparable figures for 1962 and the previous four years are shown in the following tabulation:

Poliomyelitis, 1st Through 42nd Week (1958-1962)

	1962	1961	1960	1959	1958
Paralytic	546	700	1850	4709	2300
Total	694	1086	2680	7204	4744

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous week)

Disease	42nd Week			Cumulative		
	Ended October 20, 1962	Ended October 21, 1961	Median 1957 - 1961	First 42 weeks		Median 1957 - 1961
				1962	1961	
Aseptic meningitis.....	63	98	---	2,082	2,667	---
Brucellosis .....	12	3	11	336	484	635
Diphtheria.....	8	11	26	349	448	572
Encephalitis, infectious.....	37	47	47	1,452	1,346	1,500
Hepatitis, infectious and serum.....	877	1,191	433	44,536	60,641	17,816
Measles.....	1,325	1,336	1,331	447,932	391,530	400,500
Meningococcal infections.....	42	43	43	1,744	1,734	1,858
Poliomyelitis, total.....	27	59	140	694	1,086	4,672
Paralytic.....	21	39	97	546	700	2,229
Nonparalytic.....	3	14	22	104	261	1,731
Unspecified.....	3	6	21	44	125	712
Streptococcal sore throat and Scarlet fever .....	4,354	4,752	---	253,926	258,816	---
Tetanus .....	8	---	---	229	---	---
Tularemia.....	3	---	---	239	---	---
Typhoid fever.....	9	18	25	507	656	688
Typhus fever, tick-borne, (Rocky Mountain spotted). ....	3	---	---	204	---	---
Rabies in Animals.....	40	57	57	3,073	2,834	3,143

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:  
Botulism:  
Malaria: Hawaii - 2, Calif - 1, Fla. - 1  
Plague:

Psittacosis: Penn. - 1, Ariz. - 1  
Rabies in Man: Ida. - 1  
Smallpox:  
Typhus, murine: Tex. - 1

## SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

SEPTEMBER 1961 - SEPTEMBER 1962

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Area September 1962 and September 1961 - Provisional Data

Reporting Area	September		Cumulative		Reporting Area	September		Cumulative	
	1962	1961	1962	1961		1962	1961	1962	1961
NEW ENGLAND.....	44	37	392	385	EAST SOUTH CENTRAL.....	132	115	883	957
Maine.....	0	0	6	2	Kentucky.....	17	17	102	135
New Hampshire.....	1	1	8	9	Tennessee.....	35	40	229	347
Vermont.....	0	0	0	4	Alabama.....	49	48	441	370
Massachusetts.....	22	25	253	264	Mississippi.....	30	10	111	105
Rhode Island.....	1	3	21	19	WEST SOUTH CENTRAL.....	262	291	2,128	2,517
Connecticut.....	20	8	104	87	Arkansas.....	30	31	162	234
MIDDLE ATLANTIC.....	451	480	4,353	4,126	Louisiana.....	111	121	891	1,107
Upstate New York.....	49	53	446	442	Oklahoma.....	17	6	105	56
New York City.....	211	288	2,342	2,502	Texas.....	104	133	970	1,120
Pa. (Excl. Phila.).....	13	17	110	134	MOUNTAIN.....	25	19	266	173
Philadelphia.....	71	57	600	447	Montana.....	1	1	3	3
New Jersey.....	107	65	855	601	Idaho.....	0	0	2	9
EAST NORTH CENTRAL.....	110	157	1,224	1,363	Wyoming.....	0	0	0	2
Ohio.....	22	21	245	178	Colorado.....	2	2	47	13
Indiana.....	7	11	72	79	New Mexico.....	7	5	48	29
Downstate Illinois.....	9	12	88	112	Arizona.....	11	8	109	101
Chicago.....	45	81	584	702	Utah.....	1	0	6	5
Michigan.....	23	28	202	241	Nevada.....	3	3	51	11
Wisconsin.....	4	4	33	51	PACIFIC.....	167	120	1,347	1,176
WEST NORTH CENTRAL.....	45	32	313	291	Washington.....	3	6	26	68
Minnesota.....	6	9	46	88	Oregon.....	4	3	38	32
Iowa.....	5	1	35	12	California.....	156	110	1,263	1,070
Missouri.....	24	17	150	131	Alaska.....	0	1	5	4
North Dakota.....	0	0	4	5	Hawaii.....	4	0	15	2
South Dakota.....	2	0	28	8	U. S. TOTAL.....	1,738	1,684	15,341	14,682
Nebraska.....	2	2	8	11	TERRITORIES.....	44	37	384	300
Kansas.....	6	3	42	36	Puerto Rico.....	40	31	363	275
SOUTH ATLANTIC.....	502	433	4,435	3,694	Virgin Islands.....	4	6	21	25
Delaware.....	3	4	33	23					
Maryland.....	41	41	393	364					
District of Columbia.....	61	61	549	469					
Virginia.....	40	31	317	274					
West Virginia.....	10	6	35	38					
North Carolina.....	78	57	579	416					
South Carolina.....	58	50	620	458					
Georgia.....	78	78	720	806					
Florida.....	133	105	1,189	846					

Note: Monthly figures for 1961 are estimated from quarterly reports.  
 Cumulative Totals include revised and delayed reports through previous months.

**HEPATITIS** - The total of 877 cases of viral hepatitis reported for the week ending October 20, 1962, remains at the level of the previous week (791) and well below the 1,191 cases for the corresponding week in 1961.

mately three weeks after that of Pinellas County. In Hillsborough County (Tampa), although 69 suspect cases were under surveillance during this period, only six cases have been confirmed by serologic testing. Five other cases in Hillsborough County are considered presumptive and, of these, three had substantial exposure in Pinellas County. During the month of September, there was a steady decline in the number of cases and, by the 28th of September, the major wave of illness appeared to have terminated.

The establishment of the Tampa Bay Regional Encephalitis Laboratory (TABREL) in September enabled rapid serologic testing of human and avian blood specimens and identification and processing of mosquito collections. Twelve hundred and seventy specimens of human blood, including both single and paired blood sera specimens, have been received for diagnostic studies. Results of testing completed to date are summarized in Table 1.

Blood samples from 630 birds collected in this area have been examined at the Tampa Bay Regional Laboratory.

#### EPIDEMIOLOGICAL REPORTS St. Louis Encephalitis - Florida

The epidemic of St. Louis Encephalitis in four counties of the Tampa Bay region of Florida during the months of August and September has been described in previous issues of the MMWR (Vol. 11, Nos. 34-37). During the period July 1 to October 22, 455 human illnesses were reported as possible encephalitis. Cases first occurred in Pinellas County (St. Petersburg) and reached a peak on the 19th of August. The onset of the first case of encephalitis in the Manatee County and Sarasota County area was on August 18, with the peak incidence occurring approxi-

**Table I**  
**Serologic Status of Cases Under Observation**  
**for St. Louis Encephalitis**  
**Florida - July 1 - October 22, 1962**

Laboratory Confirmed*	137
Laboratory Presumptive**	73
Negative	177
Others	68
	455

\*Four-fold rise in antibody titre by HI method.

\*\*Only 1 serum tested (antibodies for SLE present).

Of these, 157 showed evidence of recent or past infection with SLE virus. As yet no single species of bird has been demonstrated as the most likely source of infection. The Tampa Bay Laboratory has processed more than 12,000 mosquitoes and an additional 12,000 have been examined

at the Communicable Disease Center Laboratories in Atlanta. Seventeen viruses, identified either definitely or presumptively as St. Louis Encephalitis virus, have been isolated from *Culex nigripalpus* mosquitoes.

Continued intensive surveillance of the four county area surrounding Tampa Bay is planned for the coming years, and serum surveys to measure subclinical infection rates in the population are already in progress. Vector analysis, in terms of breeding, flight range, and possible resistance to insecticides, and other allied studies have been instituted. A study of migration patterns and periodic bleeding of both migrant and domestic birds is also in process.

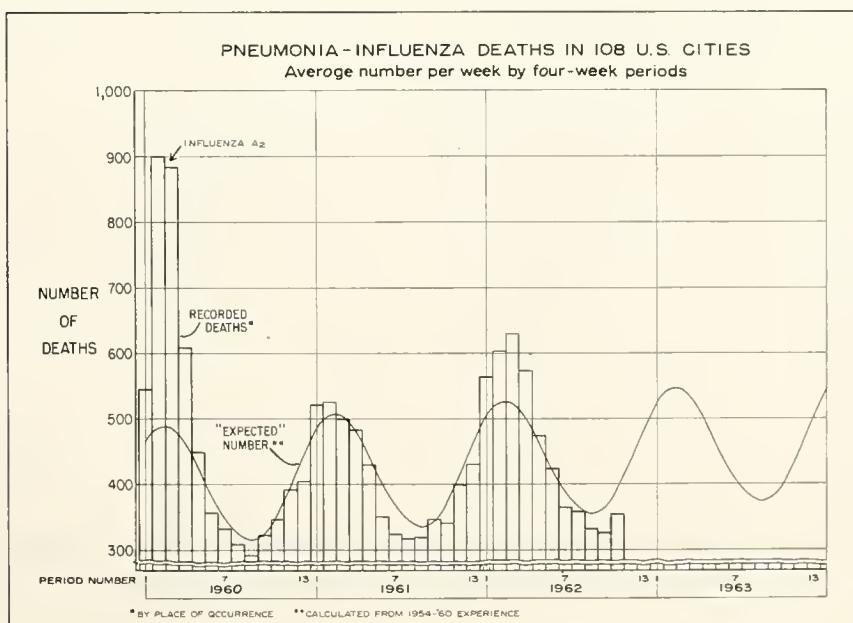
(Reported by Dr. H. C. Oard, Director of Communicable Disease Control, Pinellas County Health Department and James O. Bond, M.D., Director, Bureau of Preventable Diseases, Florida State Board of Health, Florida; and a team from the Communicable Disease Center.)

(Continued on page 336)

#### SUMMARY OF PNEUMONIA AND INFLUENZA DEATHS

The weekly average number of pneumonia-influenza deaths for the four-week period ending October 20 was 355 as compared with an expected 394 weekly average.

	WEEK ENDING				4 Week Total	Weekly Average
	9/20	10/6	10/13	10/20		
Observed	311	353	353	404	1,421	355
Expected	381	389	399	409	1,578	394
Excess	-70	-36	-46	-5	-157	-39



## Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
OCTOBER 21, 1961 AND OCTOBER 20, 1962

Area	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic				Poliomyelitis, Nonparalytic		Aseptic Meningitis	
	42nd week		Cumulative First 42 weeks		42nd week		Cumulative First 42 weeks		42nd week		42nd week	
	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961
UNITED STATES.....	27	59	694	1,086	21	39	546	700	3	14	63	98
NEW ENGLAND.....	-	-	7	31	-	-	7	21	-	-	1	6
Maine.....	-	-	-	4	-	-	-	4	-	-	-	-
New Hampshire.....	-	-	-	1	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	6	-	-	-	5	-	-	-	-
Massachusetts.....	-	-	6	14	-	-	6	8	-	-	-	3
Rhode Island.....	-	-	-	1	-	-	-	1	-	-	1	3
Connecticut.....	-	-	1	5	-	-	1	3	-	-	-	-
MIDDLE ATLANTIC.....	1	10	69	277	1	8	49	180	-	-	3	3
New York.....	1	9	53	205	1	7	36	131	-	-	-	2
New Jersey.....	-	1	6	34	-	1	6	27	-	-	-	-
Pennsylvania.....	-	-	10	38	-	-	7	22	-	-	3	1
EAST NORTH CENTRAL.....	9	16	96	135	8	10	68	83	-	3	13	31
Ohio.....	-	5	17	41	-	2	15	19	-	1	2	1
Indiana.....	2	4	18	15	2	2	11	8	-	1	-	1
Illinois.....	5	-	41	25	4	-	28	12	-	-	7	12
Michigan.....	2	2	14	27	2	2	11	23	-	-	4	11
Wisconsin.....	-	5	6	27	-	4	3	21	-	1	-	6
WEST NORTH CENTRAL.....	4	4	35	63	3	3	24	28	1	-	4	8
Minnesota.....	1	-	7	6	1	-	7	6	-	-	4	6
Iowa.....	1	-	6	18	-	-	2	9	1	-	-	-
Missouri.....	1	4	10	20	1	3	5	6	-	-	-	1
North Dakota.....	-	-	3	3	-	-	1	-	-	-	-	-
South Dakota.....	-	-	1	1	-	-	1	-	-	-	-	-
Nebraska.....	1	-	8	8	1	-	8	4	-	-	-	-
Kansas.....	-	-	-	7	-	-	-	3	-	-	-	1
SOUTH ATLANTIC.....	1	14	55	185	1	7	49	137	-	7	1	10
Delaware.....	-	-	-	2	-	-	-	1	-	-	-	-
Maryland.....	-	1	1	27	-	1	1	26	-	-	-	-
District of Columbia.....	-	-	2	3	-	-	1	3	-	-	-	-
Virginia.....	1	-	9	11	1	-	9	11	-	-	-	8
West Virginia.....	-	5	6	29	-	3	6	19	-	2	-	-
North Carolina.....	-	4	10	21	-	1	7	11	-	3	-	-
South Carolina.....	-	1	6	32	-	1	6	24	-	-	-	-
Georgia.....	-	-	14	28	-	-	13	21	-	-	-	-
Florida.....	-	3	7	32	-	1	6	21	-	2	1	2
EAST SOUTH CENTRAL.....	3	-	64	83	2	-	53	45	-	-	8	2
Kentucky.....	-	-	25	27	-	-	20	5	-	-	-	-
Tennessee.....	-	-	8	24	-	-	3	9	-	-	-	-
Alabama.....	-	-	22	9	-	-	22	9	-	-	-	2
Mississippi.....	3	-	9	23	2	-	8	22	-	-	8	-
WEST SOUTH CENTRAL.....	7	5	285	138	4	5	221	74	2	-	5	5
Arkansas.....	-	-	12	17	-	-	12	7	-	-	-	-
Louisiana.....	2	4	22	48	2	4	20	38	-	-	-	-
Oklahoma.....	1	-	17	4	-	-	12	-	-	2	1	4
Texas.....	4	1	234	69	2	1	177	29	2	-	3	-
MOUNTAIN.....	-	2	14	44	-	1	10	25	-	1	1	-
Montana.....	-	1	4	4	-	-	3	2	-	1	-	-
Idaho.....	-	-	2	14	-	-	1	6	-	-	-	-
Wyoming.....	-	-	2	-	-	-	1	-	-	-	-	-
Colorado.....	-	1	2	7	-	1	1	7	-	-	1	-
New Mexico.....	-	-	-	3	-	-	-	-	-	-	-	-
Arizona.....	-	-	3	8	-	-	3	6	-	-	-	-
Utah.....	-	-	1	8	-	-	1	4	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	2	8	69	130	2	5	65	107	-	3	27	33
Washington.....	-	1	2	22	-	1	2	22	-	-	1	1
Oregon.....	-	2	5	16	-	1	5	8	-	1	-	-
California.....	2	5	62	88	2	3	58	73	-	2	26	32
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	4	-	-	-	4	-	-	-	-
Puerto Rico.....	-	-	11	6	-	-	11	6	-	-	-	-

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
OCTOBER 21, 1961 AND OCTOBER 20, 1962 - (Continued)

Area	Brucellosis		Oiphtheria		Encephalitis, Infectious		Hepatitis, Infectious and serum				Measles	
	42nd week 1962	Cumulative 42 weeks 1962	42nd week 1962	Cumulative 42 weeks 1962	42nd week		Under 20 yr. 1962	20 & over 1962	Total 1962	Total 1961	42nd week	
					1962	1961					1962	1961
UNITED STATES.....	12	336	8	349	37	47	459	352	877	1,191	1,325	1,336
NEW ENGLAND.....	1	4	-	2	2	-	67	31	101	68	67	178
Maine.....	-	-	-	-	-	-	19	6	25	11	15	84
New Hampshire.....	-	-	-	-	-	-	16	9	25	13	6	2
Vermont.....	-	1	-	-	-	-	1	1	2	2	-	-
Massachusetts.....	-	1	-	1	1	-	28	14	45	31	26	64
Rhode Island.....	-	-	-	1	1	-	1	-	1	3	-	-
Connecticut.....	1	2	-	-	-	-	2	1	3	8	20	28
MIDDLE ATLANTIC.....	-	8	2	12	6	13	83	81	164	157	159	133
New York.....	-	4	2	10	4	11	31	45	76	84	37	73
New Jersey.....	-	1	-	1	-	-	22	15	37	39	38	13
Pennsylvania.....	-	3	-	1	2	2	30	21	51	34	84	47
EAST NORTH CENTRAL.....	5	74	-	9	4	5	89	50	145	225	319	304
Ohio.....	-	1	-	-	1	2	28	16	47	66	19	17
Indiana.....	-	5	-	4	-	-	13	3	16	21	5	37
Illinois.....	3	53	-	2	3	2	15	12	28	56	45	153
Michigan.....	1	5	-	3	-	-	26	16	42	72	100	64
Wisconsin.....	1	10	-	-	-	1	7	3	12	10	150	33
WEST NORTH CENTRAL.....	2	130	-	84	3	1	24	19	48	81	123	43
Minnesota.....	-	12	-	24	-	-	2	2	4	25	10	3
Iowa.....	-	76	-	14	2	2	8	7	16	21	34	17
Missouri.....	-	4	-	5	-	-	13	6	22	21	-	2
North Dakota.....	-	2	-	7	-	-	-	-	-	-	75	18
South Dakota.....	1	11	-	15	-	-	-	-	-	7	4	3
Nebraska.....	-	11	-	18	-	-	1	2	4	3	-	-
Kansas.....	1	14	-	1	1	1	-	2	2	4	NN	NN
SOUTH ATLANTIC.....	1	26	5	90	6	5	44	26	70	174	99	69
Delaware.....	-	-	-	-	-	-	3	3	6	1	7	-
Maryland.....	-	-	-	-	1	-	5	4	9	13	5	31
District of Columbia..	-	-	-	2	-	-	-	-	-	3	-	3
Virginia.....	1	13	1	12	-	3	5	4	9	30	16	5
West Virginia.....	-	-	-	2	-	-	11	2	13	17	61	12
North Carolina.....	-	2	-	8	5	1	19	6	25	60	1	5
South Carolina.....	-	-	1	10	-	-	-	-	-	9	5	6
Georgia.....	-	3	-	25	-	-	-	-	1	1	9	-
Florida.....	-	8	3	31	-	1	1	6	7	32	4	7
EAST SOUTH CENTRAL.....	1	16	-	22	8	3	47	22	69	169	36	95
Kentucky.....	-	1	-	-	4	-	14	3	17	52	1	36
Tennessee.....	-	7	-	7	1	1	23	8	31	53	33	47
Alabama.....	-	6	-	8	-	-	5	-	5	32	1	8
Mississippi.....	1	2	-	7	3	2	5	11	16	32	1	4
WEST SOUTH CENTRAL.....	1	33	1	110	3	9	31	19	52	83	96	150
Arkansas.....	1	8	-	18	3	1	3	3	6	15	-	-
Louisiana.....	-	8	-	8	-	-	2	5	7	9	-	-
Oklahoma.....	-	6	-	6	-	-	3	-	4	5	-	-
Texas.....	-	11	1	78	-	8	23	11	35	54	96	150
MOUNTAIN.....	-	12	-	9	2	1	16	6	68	50	137	51
Montana.....	-	1	-	6	2	-	4	2	8	4	62	-
Idaho.....	-	1	-	1	-	-	-	-	4	4	19	6
Wyoming.....	-	1	-	-	-	-	4	1	5	4	-	15
Colorado.....	-	2	-	-	-	-	-	-	12	21	18	8
New Mexico.....	-	-	-	2	-	1	6	3	10	11	NN	NN
Arizona.....	-	3	-	-	-	-	-	-	27	6	22	13
Utah.....	-	4	-	-	-	-	2	-	2	-	16	9
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	1	33	-	11	3	10	58	98	160	184	289	313
Washington.....	-	-	-	-	-	1	17	16	34	23	115	118
Oregon.....	-	3	-	-	-	-	5	9	15	35	34	44
California.....	1	28	-	6	3	9	30	64	94	120	68	135
Alaska.....	-	1	-	5	-	-	5	5	12	4	38	13
Hawaii.....	-	1	-	-	-	-	1	4	5	2	34	3
Puerto Rico.....	-	-	-	35	-	-	10	6	16	16	11	69

Table 3 CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED

OCTOBER 21, 1961 AND OCTOBER 20, 1962 (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals					
	42nd wk.	Cumulative 42 weeks	42nd week	42nd wk.				42nd wk.	42nd wk.	42nd week	42nd week	Cumulative 42 weeks			
		1962	1962	1962								1962			
UNITED STATES....	42	1,744	4,354	4,752	-	8	3	3	9	507	40	57	3,073		
NEW ENGLAND.....	3	104	348	171	1	-	-	-	-	11	-	-	1		
Maine.....	-	16	119	8	-	-	-	-	-	2	-	-	-		
New Hampshire.....	-	3	6	3	-	-	-	-	-	-	-	-	-		
Vermont.....	-	3	3	2	-	-	-	-	-	-	-	-	-		
Massachusetts.....	1	41	40	41	-	-	-	-	-	8	-	-	1		
Rhode Island.....	-	11	16	11	1	-	-	-	-	1	-	-	-		
Connecticut.....	2	30	164	106	-	-	-	-	-	-	-	-	-		
MIDDLE ATLANTIC....	4	305	142	148	2	1	-	2	53	2	2	125			
New York.....	-	135	84	101	1	1	-	1	26	1	1	82			
New Jersey.....	1	78	26	22	-	-	-	-	12	-	-	1			
Pennsylvania.....	3	92	32	25	1	-	-	1	15	1	1	42			
EAST NORTH CENTRAL...	10	340	530	320	-	-	1	2	82	7	8	684			
Ohio.....	3	101	55	48	-	-	-	-	41	4	2	344			
Indiana.....	1	27	43	81	-	-	-	-	11	-	1	180			
Illinois.....	-	77	68	53	-	-	1	-	16	-	1	87			
Michigan.....	5	113	292	63	-	-	-	2	10	3	2	39			
Wisconsin.....	1	22	72	75	-	-	-	-	4	-	2	34			
WEST NORTH CENTRAL...	4	94	144	148	1	-	1	-	24	14	15	813			
Minnesota.....	1	18	19	9	-	-	-	-	-	7	6	187			
Iowa.....	-	11	43	39	-	-	-	-	2	5	2	316			
Missouri.....	-	21	15	1	-	-	-	-	17	-	3	137			
North Dakota.....	-	7	47	48	-	-	-	-	2	-	-	48			
South Dakota.....	-	6	4	-	-	-	-	-	1	2	4	97			
Nebraska.....	2	17	-	-	-	-	-	-	2	-	-	21			
Kansas.....	1	14	16	51	1	-	1	-	-	-	-	7			
SOUTH ATLANTIC....	4	266	319	404	-	1	-	-	94	9	6	309			
Delaware.....	-	34	2	1	-	-	-	-	2	-	-	-			
Maryland.....	2	19	38	8	-	-	-	-	3	-	-	2			
Dist. of Columbia.....	-	7	2	3	-	-	-	-	7	-	-	-			
Virginia.....	-	55	76	110	-	1	-	-	16	-	2	121			
West Virginia.....	-	13	124	132	-	-	-	-	5	5	1	118			
North Carolina.....	2	66	14	41	-	-	-	-	6	-	-	-			
South Carolina.....	-	16	36	22	-	-	-	-	9	-	-	-			
Georgia.....	-	11	1	13	-	-	-	-	23	-	1	9			
Florida.....	-	45	26	74	-	-	-	-	23	4	2	59			
EAST SOUTH CENTRAL...	2	111	610	979	2	-	-	-	45	2	4	316			
Kentucky.....	-	30	34	50	-	-	-	-	10	1	3	111			
Tennessee.....	1	45	503	883	-	-	-	-	17	1	1	183			
Alabama.....	-	19	18	18	-	-	-	-	11	-	-	22			
Mississippi.....	1	17	55	28	2	-	-	-	7	-	-	-			
WEST SOUTH CENTRAL...	5	146	646	518	2	-	1	3	117	2	17	556			
Arkansas.....	-	15	-	1	-	-	1	1	31	1	4	64			
Louisiana.....	3	66	7	2	1	-	-	-	30	-	1	18			
Oklahoma.....	-	7	12	5	-	-	-	-	6	1	-	25			
Texas.....	2	58	627	511	-	-	-	2	50	-	12	449			
MOUNTAIN....	4	56	923	1,094	-	-	-	-	38	1	1	28			
Montana.....	-	4	44	33	-	-	-	-	10	-	-	-			
Idaho.....	-	3	55	47	-	-	-	-	1	-	-	-			
Wyoming.....	-	5	65	76	-	-	-	-	3	-	-	-			
Colorado.....	1	9	309	265	-	-	-	-	5	-	-	1			
New Mexico.....	2	6	208	363	-	-	-	-	12	1	-	13			
Arizona.....	1	14	190	161	-	-	-	-	6	-	1	14			
Utah.....	-	8	52	149	-	-	-	-	1	-	-	-			
Nevada.....	-	7	-	-	-	-	-	-	-	-	-	-			
PACIFIC....	6	322	692	970	-	1	-	2	43	3	4	241			
Washington.....	-	21	146	252	-	1	-	-	1	-	-	-			
Oregon.....	-	19	15	31	-	-	-	-	1	-	-	17			
California.....	6	270	470	632	-	-	-	2	40	3	4	224			
Alaska.....	-	8	7	14	-	-	-	-	-	-	-	-			
Hawaii.....	-	4	54	41	-	-	-	-	1	-	-	-			
Puerto Rico.....	-	8	-	7	2	-	-	-	16	-	-	18			

Table 4 (B) REPORTED PNEUMONIA-INFLUENZA DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.<sup>o</sup>

Area	For weeks ending				Area	For weeks ending				
	9/29	10/6	10/13	10/20		9/29	10/6	10/13	10/20	
<b>NEW ENCLAND:</b>										
Boston, Mass.....	3	1	3	2	SOUTH ATLANTIC:	Atlanta, Ga.....	4	3	4	5
Bridgeport, Conn.....	5	0	1	1	Baltimore, Md.....	6	4	9	4	
Cambridge, Mass.....	0	0	0	0	Charlotte, N.C.....	0	2	3	1	
Fall River, Mass.....	0	3	0	1	Jacksonville, Fla.....	1	1	0	0	
Hartford, Conn.....	0	2	4	0	Miami, Fla.....	0	0	0	0	
Lowell, Mass.....	3	1	4	1	Norfolk, Va.....	4	8	5	4	
Lynn, Mass.....	0	0	1	1	Richmond, Va.....	1	2	1	1	
New Bedford, Mass.....	0	1	1	1	Savannah, Ga.....	2	2	2	6	
New Haven, Conn.....	0	1	2	2	St. Petersburg, Fla.....	2	5	9	5	
Providence, R.I.....	0	5	1	2	Tampa, Fla.....	3	0	1	0	
Somerville, Mass.....	0	0	0	1	Washington, D.C.....	6	7	5	9	
Springfield, Mass.....	7	3	5	7	Wilmington, Del.....	2	3	3	2	
Waterbury, Conn.....	0	1	0	0						
Worcester, Mass.....	2	4	5	6						
<b>MIDDLE ATLANTIC:</b>										
Albany, N.Y.....	1	1	2	1	EAST SOUTH CENTRAL:	Birmingham, Ala.....	0	2	0	0
Allentown, Pa.....	2	0	0	3	Chattanooga, Tenn.....	2	0	5	4	
Buffalo, N.Y.....	4	6	3	6	Knoxville, Tenn.....	0	0	0	0	
Camden, N.J.....	0	4	2	1	Louisville, Ky.....	8	12	13	8	
Elizabeth, N.J.....	0	3	1	1	Memphis, Tenn.....	2	7	3	5	
Erie, Pa.....	5	2	4	1	Mobile, Ala.....	1	1	1	1	
Jersey City, N.J.....	1	5	2	4*	Montgomery, Ala.....	1	1	1	0	
Newark, N.J.....	3	2	0	3	Nashville, Tenn.....	2	1	2	1	
New York City, N.Y.....	44	57	47	55	WEST SOUTH CENTRAL:	Austin, Tex.....	5	1	5	3
Paterson, N.J.....	0	2	5	5	Baton Rouge, La.....	1	0	0	2	
Philadelphia, Pa.....	9	12	7	18	Corpus Christi, Tex.....	0	0	1	2	
Pittsburgh, Pa.....	1	6	6	4	Dallas, Tex.....	4	2	2	1	
Reading, Pa.....	0	2	1	0	El Paso, Tex.....	2	3	1	2	
Rochester, N.Y.....	10	11	6	12	Fort Worth, Tex.....	0	0	4	2	
Schenectady, N.Y.....	0	0	0	1	Houston, Tex.....	0	4	2	2	
Scranton, Pa.....	3	5	2	3	Little Rock, Ark.....	3	4	3	5	
Syracuse, N.Y.....	0	2	3	2	New Orleans, La.....	6	3	8	5	
Trenton, N.J.....	1	0	3	1	Oklahoma City, Okla.....	3	1	1	1	
Utica, N.Y.....	0	2	0	1	San Antonio, Tex.....	4	3	5	4	
Yonkers, N.Y.....	2	5	1	2	Shreveport, La.....	5	5	7	5	
EAST NORTH CENTRAL:					Tulsa, Okla.....	3	0	4	2	
Akron, Ohio.....	0	0	0	1	MOUNTAIN:					
Canton, Ohio.....	1	1	1	2	Albuquerque, N. Mex.....	0	4	2	3	
Chicago, Ill.....	24	26	24	38	Colorado Springs, Colo.....	0	0	1	1	
Cincinnati, Ohio.....	4	7	4	4	Denver, Colo.....	4	1	4	7	
Cleveland, Ohio.....	1	7	4	2	Ogden, Utah.....	2	4	1	1	
Columbus, Ohio.....	3	3	5	7	Phoenix, Ariz.....	4	3	8	3	
Dayton, Ohio.....	2	0	0	2	Pueblo, Colo.....	1	0	2	1	
Detroit, Mich.....	6	6	8	13	Salt Lake City, Utah.....	2	1	0	2	
Evansville, Ind.....	3	2	1	1	Tucson, Ariz.....	0	0	1	1	
Flint, Mich.....	0	4	1	4						
Fort Wayne, Ind.....	5	2	2	1	PACIFIC:					
Cary, Ind.....	1	1	1	1	Berkeley, Calif.....	0	0	0	0	
Grand Rapids, Mich.....	0	2	2	4	Fresno, Calif.....	2	2	2	1	
Indianapolis, Ind.....	19	3	8	5	Clendale, Calif.....	1	0	0	0	
Madison, Wis.....	0	0	5	2	Honolulu, Hawaii.....	2	3	2	0	
Milwaukee, Wis.....	5	5	3	9	Long Beach, Calif.....	0	0	0	0	
Peoria, Ill.....	1	1	0	0	Los Angeles, Calif.....	5	12	13	13	
Rockford, Ill.....	2	1	3	0	Oakland, Calif.....	5	0	1	1	
South Bend, Ind.....	0	1	2	3	Pasadena, Calif.....	0	1	1	0	
Toledo, Ohio.....	5	4	4	5	Portland, Oreg.....	2	2	1	3	
Youngstown, Ohio.....	1	0	0	1	Sacramento, Calif.....	2	2	3	1	
WEST NORTH CENTRAL:					San Diego, Calif.....	3	2	1	2	
Des Moines, Iowa.....	0	0	1	1	San Francisco, Calif.....	2	4	2	7	
Duluth, Minn.....	1	0	2	1	San Jose, Calif.....	3	3	0	0	
Kansas City, Kans.....	4	2	1	2	Seattle, Wash.....	2	3	2	7	
Kansas City, Mo.....	4	5	3	6	Spokane, Wash.....	0	0	1	2	
Lincoln, Nebr.....	0	1	0	1	Tacoma, Wash.....	0	1	1	5	
Minneapolis, Minn.....	0	2	2	2	San Juan, P.R.....	2	4	6	4	
Omaha, Nebr.....	2	2	0	0						
St. Louis, Mo.....	3	4	6	3						
St. Paul, Minn.....	0	1	2	1						
Wichita, Kans.....	4	2	4	2						

\*Estimate - based on average percent of divisional total  
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

<sup>o</sup>Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages..... 11,743  
 4(B) Pneumonia-Influenza Deaths, all ages..... 404  
 4(C) Total Deaths under 1 Year of Age..... 779  
 4(D) Total Deaths, Persons 65 years and over..... 6,533



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## Morbidity and Mortality Weekly Report

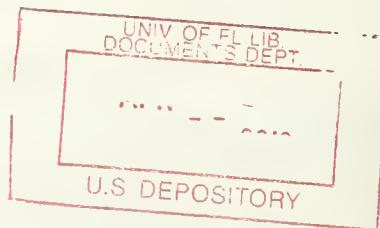
## Botulism - Tennessee

Three members of a non-white family living in a rural area near Memphis, Tennessee, had onsets of an illness diagnosed clinically as botulism, between September 23 and September 25, 1962.

The 43-year-old mother of the family first became ill on September 23 with pain in the abdomen, diplopia, and difficulty in swallowing. She was admitted to the hospital on September 25 with respiratory paralysis and died shortly after being admitted. A diagnosis of poliomyelitis was considered. However, on September 25, the 17-year-old daughter of the first patient was admitted to the hospital with a history of onset the previous day of generalized weakness, difficulty in swallowing, diplopia, and respiratory embarrassment. Spinal fluid findings were negative. Clinical manifestations of illness in this patient were typical of botulism. This patient, although gradually recovering from the poisoning, died of a complicating illness on October 10. The third case, a 22-month-old child in this family, became ill on September 25 with mild symptoms of botulism and recovered.

The mother customarily prepared corn on the cob by placing ears of corn in large jars which were then placed in a can and boiled for an indefinite period. The jars were then sealed. Several jars of this corn were prepared some time before the patients became ill. It was the custom of this family to carry a jar of the corn to the cotton patch while picking cotton, opening up the jar and eating the corn in the field without reheating it. Since corn had been eaten over several days from several different cans, it was not possible to determine the incubation period of the cases. No samples of the corn were available for laboratory examination.

(Reported by L. M. Graves, M.D., Director, Memphis-Shelby County Health Department, and C. B. Tucker, M.D., Director, Division of Preventable Diseases, Tennessee Department of Public Health.)



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Communicable Disease Center  
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## INTERNATIONAL NOTES - QUARANTINE MEASURES

No Report.